



for GM Linden NJD 002 ~~18650~~

13

June 15, 2016

Mr. Gary Greulich
New Jersey Department of Environmental Protection
Northern Regional Office
7 Ridgedale Avenue
Cedar Knolls, NJ 07927

RE: Remedial Action Progress Report No. 27 for the Retail Redevelopment Area Portion of the Former General Motors (GM) Linden Assembly Plant, 1016 West Edgar Road, Linden, Union County, New Jersey 07036; DUK059.701.0206.

Dear Mr. Greulich:

On May 26, 2009, the New Jersey Department of Environmental Protection (NJDEP) approved the New Jersey Remedial Action Workplan and RCRA Corrective Measures Proposal Addendum No. 1 (RAWP) for the Retail Redevelopment Area of the Former GM Linden Assembly Plant (Site; SRP PI# 014755; EA ID# SUB090001; BFO File Number: 20-09-24). The May 26, 2009 approval letter requested a Remedial Action Progress Report for the Retail Redevelopment Area on/by November 30, 2009. Subsequent reports are submitted on a quarterly basis.

This letter constitutes Remedial Action Progress Report No. 27 for the Retail Redevelopment Area. Hull & Associates, Inc. (Hull) has prepared this report on behalf of Linden Development LLC (Linden Development) to summarize remedial activities completed on the Site between March 1 and May 31, 2016.

Requirements, according to N.J.A.C. 7:26E-6.6, are shown below in ***bold italics***, with Hull/Linden Development's update following. The report certification required by N.J.A.C. 7:26E-1.5 is included in Attachment A.

1. ***NJDEP requires a description of each planned remedial action.***

- i. ***scheduled to be initiated or completed within the reporting period***
- ii. ***actually initiated or completed during the reporting period; and***
- iii. ***scheduled but not initiated or not completed during the reporting period, including the reasons for the noncompliance with the approved schedule.***

Soil

As outlined in the approved RAWP, the remedial activities for soils on the Retail Redevelopment Area consist of the following:

- a. Establishing deed restrictions or environmental covenants to maintain commercial/industrial land use at the Site;
- b. Regrading the site to achieve the grade necessary to support the proposed redevelopment;
- c. Constructing building slabs, parking areas and roadways and placing one foot of clean soil over geotextile fabric in future greenspaces to preclude direct contact exposures to future receptor populations and/or provide cover to historical fill material; and
- d. Surveying to demonstrate that all areas are covered with engineering controls (e.g., building slabs, parking areas and roadways) or one foot of clean soil.



These remedial activities are directly related to construction activities associated with the future redevelopment at the Site which are dependent upon finalization of agreements with end users. Linden Development has been working on agreements with end users that will occupy various portions of the Site. Given that end user agreements have not been finalized, significant construction activities described in the RAWP have not yet been initiated. Construction support activities that have been conducted thus far included importing fill material, as discussed below.

Fill Material Import Activities

As outlined in previous quarterly reports, Linden Development has previously imported structural fill materials and cover soils from off-site sources for use during the redevelopment consistent with the RAWP and the Revised Soil and Concrete Reuse Proposal (Revision 1.0) approved by NJDEP.

During the current reporting period, asphalt and concrete from demolition of the former manufacturing slab/foundation and excess soil generated during construction of Building 11 were stockpiled on the Retail Redevelopment Area. No off-site fill materials were imported to the Retail Redevelopment Area.

Groundwater

As outlined in the approved RAWP, remedial actions related to groundwater underlying the overall Retail Redevelopment Area do not appear to be necessary. However, sporadic historical concentrations of lead in limited monitoring wells have exceeded groundwater quality criteria at the Site, as observed in previous groundwater sampling data. As a result, the NJDEP may consider that an indeterminate Classification Exception Area (CEA) is necessary due to these sporadic exceedances and the presence of historical fill at the Site. Based on discussions with Mr. Greulich conducted since November 2009, the indeterminate CEA will be established by NJDEP as part of finalizing the Site NFA and will include the overburden aquifer within the Site boundaries. As discussed on November 18, 2009 and reiterated during ongoing quarterly meetings, Mr. Greulich currently maintains the information necessary to establish the indeterminate CEA (if ultimately deemed necessary) and no additional submittals by Linden Development are required.

As discussed in previous quarterly reports, Linden Development performed additional sampling within the proposed Walmart parcel as part of internal due diligence requirements for Walmart ground lease negotiations. These additional sampling activities were completed over several phases, and the sampling results were previously provided to NJDEP under separate covers. Based on the additional sampling results, trichloroethene (TCE), tetrachloroethene (PCE) and 1,1-Dichloroethene (1,1-DCE) were detected in groundwater at concentrations exceeding the NJDEP Class IIA groundwater standard within a limited portion of the proposed Walmart parcel near the northeast corner of the proposed Walmart building footprint.

To investigate the presence of PCE, TCE and 1,1-DCE, Linden Development proposed the installation of two overburden wells on the Walmart parcel. The well locations were approved by NJDEP on April 4, 2014. Between June 22 and 23, 2015, overburden monitoring wells MW-98S and MW-98D were installed by Advanced Drilling, Inc. under the direction of a Hull Hydrogeologist. Details on the installation, development, sampling and results were summarized in the August 17, 2015 letter report titled "Additional Monitoring Well Installation and Groundwater Analytical Report - Retail Redevelopment Area for the proposed Walmart parcel at the former General Motors (GM) Linden Assembly Plant, 1016 West Edgar Road, Linden, Union County, New Jersey 07036" provided to NJDEP and USEPA under separate cover.

This issue was further discussed during an August 25, 2015 meeting with the Case Manager, Gary Greulich. Based on the meeting, a groundwater permit and CEA will be established for the overburden groundwater zones over a portion of the Retail Development Area in the vicinity of the MW-98 monitoring well cluster. In November 2015, Advanced Drilling, under the supervision of a JM Sorge representative installed three additional monitoring wells MW-17D, MW-56D and MW-98B. Additional groundwater sampling of select wells is necessary to support the monitored natural attenuation remedy.

TestAmerica collected groundwater sampled from monitoring wells MW-17S, MW-26S, MW-27S, MW-55S, MW-98S, MW-17D, MW-56D, MW-98D and MW-98B between February 22 and 24, 2016. Another round of groundwater samples was collected between May 25 and 27, 2016. The results from the February and May 2016 sampling events are provided in Attachment B.

On March 7, 2016, the NJDEP Case Manager approved decommissioning a number of monitoring wells on the Retail Redevelopment Area of the Site. The list of monitoring wells approved for decommissioning are provided in the table below.

| Shallow Overburden Wells | Weathered Bedrock Wells | Bedrock Wells |
|--------------------------|-------------------------|---------------|
| MW-62S | MW-8W | MW-8B |
| MW-63S | MW-23W | MW-17B |
| MW-69S | MW-26W | MW-54B |
| MW-78S | MW-27W | MW-55B |
| MW-79S | MW-28W | MW-56B4 |
| | MW-29W | MW-58B |
| | MW-30W | MW-61B |
| | MW-54W | MW-62B |
| | MW-55W | MW-63B |
| | MW-56W | |
| | MW-58W | |
| | MW-61W | |
| | MW-62W | |
| | MW-63W | |
| | MW-69W | |
| | MW-78W | |
| | MW-79W | |
| | MW-88W | |

During the week of May 2, 2016, Advanced Drilling decommissioned monitoring wells MW-17W and MW-17B on the Retail Redevelopment Area of the site. The remaining monitoring wells listed above are scheduled to be decommissioned during the next quarterly reporting period.

Storm Sewer (AOI-18)

Remedial activities associated with AOI-18 are complete, as documented in Remedial Action Progress Report No. 1 (November 2009).

2. **NJDEP requires discussion of problems and delays in the implementation of the RAWP, which should include proposals for corrections.**

As discussed above, remedial activities are directly related to construction activities associated with the future redevelopment at the Site which are dependent upon finalization of agreements with end users. Given current economic conditions, the construction activities described in the RAWP will not be implemented until redevelopment deals with end users are finalized above NJDEP criteria.

Linden Development is continuing to pursue agreements with end users for the Retail Redevelopment Area. In the interim, conditions at the Site are stable given that GM's original cover types (asphalt, building pads, etc.) remain intact.

3. NJDEP requires proposals for a deviation from, or modification to, the approved RAWP.

As discussed with the NJDEP Case Manager on August 25, 2015, it is not anticipated that additional groundwater response actions related to PCE, TCE and 1,1-DCE in shallow groundwater at the Walmart parcel will be required. No deviations from, or modifications to, the approved RAWP are planned or required at this time.

4. NJDEP requires submittal of a revised schedule pursuant to N.J.A.C. 7:26E-6.5, to reflect the changes as noted in 1 through 3 above.

As discussed with the NJDEP Case Manager during previous quarterly meetings, implementation of the site earthwork activities is dependent on finalization of development agreements with end users. Agreements with end users are progressing, but finalization of agreements and the start of site earthwork activities are being delayed by the final appeals process associated with site plan and zoning approvals. Due to the appeals process, work anticipated to begin previously has been delayed. Linden Development will provide NJDEP with a more detailed schedule as the legal appeals are finalized.

5. NJDEP requires an updated status of all permit applications relative to the critical path schedule.

The permits required for initiation of the remedial activities are summarized below.

| Permit/Approval Type | Status | Notes |
|----------------------------|------------------|---|
| Planning Board Approval | Approved 1/9/09 | Site plan approved by City of Linden Planning Board |
| NPDES Permit (Storm Water) | Approved 9/16/09 | NPDES Permit No. 0088323 |
| Soil Conservation District | Approved 9/16/09 | Approved by Somerset-Union Conservation District |

6. NJDEP requires a listing of each remedial action to be performed during the next reporting period.

Agreements with end users are progressing, but finalization of agreements and the start of site earthwork activities are being delayed by the final appeals process associated with site plan and zoning approvals. Due to the appeals process, work anticipated to begin previously has been delayed. Linden Development will provide NJDEP with a more detailed schedule as the legal appeals are finalized.

7. NJDEP requires costs of each remedial action.

- i. Annual summary of all remedial action costs incurred to date; and
- ii. Revised cost estimate for remedial actions remaining to be performed.

Given that significant construction and remedial implementation has not yet commenced, significant remedial costs have not yet been accrued, with the exception of minor costs for the storm sewer cleaning (i.e., approximately \$7,000) reported in Remedial Action Progress Report No. 1 and approximately \$128,000 for site work grading and seeding activities to date.

The cost estimate for completing remedial activities remains consistent with that presented in the RAWP (i.e., approximately \$7,500,000 for earthwork and construction of engineering controls).

8. **NJDEP requires a tabulation of sampling results (according to N.J.A.C. 7:26E-3.13(c)3) received during the reporting period and a summary of the data and any conclusions, presented in a format consistent with N.J.A.C. 7:26E-4.8.**

Tabulated groundwater results from the February and May 2016 sampling events are provided in Attachment B.

9. **NJDEP requires a summary of active groundwater remedial actions.**

- i. *groundwater elevation maps with groundwater flow shown immediately before and during active groundwater remediation;*
- ii. *graphs depicting changes in concentrations over time for all impacted wells as well as all down-gradient wells;*
- iii. *summary of volume of water treated since last reporting period and the total volume treated since active remedial action commenced; and*
- iv. *Summary of groundwater contamination, indicating either that contamination remains above applicable standards (include a proposal detailing additional remedial actions) or that concentrations are below applicable standards.*

As outlined in the approved RAWP, remedial actions related to groundwater underlying the Retail Redevelopment Area do not appear to be necessary (see discussion under item 1).

10. **NJDEP requires a summary of natural remediation groundwater remedial actions.**

- i. *Summary table of the groundwater monitoring results collected; and*
- ii. *Conclusions whether data indicate that natural remediation is no longer appropriate (must then also submit a revised RAWP).*

As outlined in the approved RAWP, remedial actions related to groundwater underlying the Retail Redevelopment Area do not appear to be necessary (see discussion under item 1).

11. **NJDEP requires a description of all wastes generated as a result of the remedial action.**

- i. *Tabulation of waste characterization samples collected, including the physical state of the material, volume, number of samples, analyses performed and results;*
- ii. *Listing of types and quantities of waste generated by the remedial action during the reporting period as well as to date;*
- iii. *Name of the disposal facility used;*
- iv. *Transporters' dates of disposal; and*
- v. *Manifest numbers of each waste shipment.*

Investigative derived waste (IDW) from the February and May 2016 groundwater sampling events were generated. Waste characterization samples of the IDW were collected and the analytical results are included in Attachment C. The non-hazardous drums are staged on-site and will be disposed following completion of well decommissioning activities.

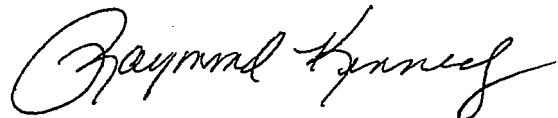
12. **NJDEP requires that any additional support documentation that is available also be provided (photos, etc.).**

Given that the majority of the remedial activities have not yet been implemented, no additional support documentation is available.

Mr. Gary Greulich
DUK059.701.0206
June 15, 2016
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The next scheduled remedial action progress report will include remedial actions completed June 1, 2016 through August 31, 2016. Please feel free to contact me at (614) 793-8777 with any questions regarding the update provided herein.

Sincerely,



Raymond Kennedy
Senior Project Manager

Attachments

cc: Clifford Ng – U.S. EPA Region 2
David Jennings – Linden Development, LLC
Joseph M. Sorge – J.M. Sorge, Inc.

ATTACHMENT A

Report Certification

Certification

**Linden Development, LLC
ISRA Case Number E20040531-Retail**

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Linden Development, LLC, a New Jersey limited liability company

By: Duke Construction Limited Partnership, an Indiana limited partnership, its managing member

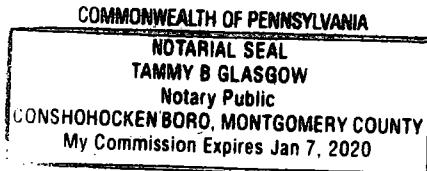
By: Duke Business Centers Corporation, an Indiana corporation, sole general partner

Date: 6/16/16


By: John Van Vliet
John Van Vliet
Vice President, Construction

Sworn to and subscribed to before
me on this 16th day
of JUNE, 2016

Tammy B. Glasgow
Notary



ATTACHMENT B

February 2016 Groundwater Sampling Results

May 2016 Groundwater Sampling Results

Groundwater Analytical Results - Duke Linden Retail Redevelopment Area



SUMMARY OF ANALYTICAL RESULTS: 460-109409-1
Job Description: Retail Redevelopment Area

For:
Former GM Linden Site
1016 W. Edgar Road
Linden, NJ

| Client ID | NJ Higher of | DUK059:MW-55S:G022416 | DUK059:MW-55S:G022416A | DUK059:MW-56D:G022416 | DUK059:MW-17S:G022416 | DUK059:MW-17D:G022416 | DUK059:EB-1:W022416 | | | | | | | | | | |
|-----------------------------|--------------|-----------------------|------------------------|-----------------------|-----------------------|-----------------------|---------------------|--------|------|------|--------|------|------|--------|------|------|--|
| Lab Sample ID | PQLs and GW | 460-109409-1 | 460-109409-2 | 460-109409-3 | 460-109409-4 | 460-109409-5 | 460-109409-6 | | | | | | | | | | |
| Sampling Date | Quality | 02/24/2016 08:41:00 | 02/24/2016 08:41:00 | 02/24/2016 09:56:00 | 02/24/2016 10:51:00 | 02/24/2016 12:01:00 | 02/24/2016 08:00:00 | | | | | | | | | | |
| Matrix | Criterion | Water | Water | Water | Water | Water | Water | | | | | | | | | | |
| Dilution Factor | 2015 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | |
| Unit | ug/l | ug/l | ug/l | ug/l | ug/l | ug/l | ug/l | | | | | | | | | | |
| VOA-8260C-WATER | | Result | Q | MDL | Result | Q | MDL | Result | Q | MDL | Result | Q | MDL | Result | Q | MDL | |
| WATER BY: B260C | | | | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 30 | 0.28 | U | 0.28 | 0.28 | U | 0.28 | 0.28 | U | 0.28 | 0.28 | U | 0.28 | 0.28 | U | 0.28 | |
| 1,1,2,2-Tetrachloroethane | 1 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | |
| 1,1,2-Trichloroethane | 3 | 0.08 | U | 0.08 | 0.08 | U | 0.08 | 0.08 | U | 0.08 | 0.08 | U | 0.08 | 0.08 | U | 0.08 | |
| 1,1-Dichloroethane | 50 | 0.24 | U | 0.24 | 0.24 | U | 0.24 | 0.24 | U | 0.24 | 0.24 | U | 0.24 | 0.24 | U | 0.24 | |
| 1,1-Dichloroethene | 1 | 0.34 | U | 0.34 | 0.34 | U | 0.34 | 0.34 | U | 0.34 | 0.34 | U | 0.34 | 0.34 | U | 0.34 | |
| 1,2,4-Trichlorobenzene | 9 | 0.27 | U | 0.27 | 0.27 | U | 0.27 | 0.27 | U | 0.27 | 0.27 | U | 0.27 | 0.27 | U | 0.27 | |
| 1,2-Dibromo-3-Chloropropane | 0.02 | 0.23 | U | 0.23 | 0.23 | U | 0.23 | 0.23 | U | 0.23 | 0.23 | U | 0.23 | 0.23 | U | 0.23 | |
| 1,2-Dibromoethane | 0.03 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | |
| 1,2-Dichlorobenzene | 600 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | |
| 1,2-Dichloroethane | 2 | 0.25 | U | 0.25 | 0.25 | U | 0.25 | 0.25 | U | 0.25 | 0.25 | U | 0.25 | 0.25 | U | 0.25 | |
| 1,2-Dichloropropane | 1 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | |
| 1,3-Dichlorobenzene | 600 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | |
| 1,4-Dichlorobenzene | 75 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | |
| 2-Butanone | 300 | 2.2 | U | 2.2 | 2.2 | U | 2.2 | 2.2 | U | 2.2 | 2.2 | U | 2.2 | 2.2 | U | 2.2 | |
| 2-Hexanone | 300 | 0.72 | U | 0.72 | 0.72 | U | 0.72 | 0.72 | U | 0.72 | 0.72 | U | 0.72 | 0.72 | U | 0.72 | |
| 4-Methyl-2-pentanone | NA | 0.63 | U | 0.63 | 0.63 | U | 0.63 | 0.63 | U | 0.63 | 0.63 | U | 0.63 | 0.63 | U | 0.63 | |
| Acetone | 6000 | 1.1 | U | 1.1 | 1.1 | U | 1.1 | 1.1 | U | 1.1 | 1.1 | U | 1.1 | 1.1 | U | 1.1 | |
| Benzene | 1 | 0.09 | U | 0.09 | 0.09 | U | 0.09 | 0.09 | U | 0.09 | 0.09 | U | 0.09 | 0.09 | U | 0.09 | |
| Bromodichromethane | 1 | 0.15 | U | 0.15 | 0.15 | U | 0.15 | 0.15 | U | 0.15 | 0.15 | U | 0.15 | 0.15 | U | 0.15 | |
| Bromoform | 4 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | |
| Bromomethane | 10 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | |
| Carbon disulfide | 700 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | |
| Carbon tetrachloride | 1 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | |
| Chlorobenzene | 50 | 0.24 | U | 0.24 | 0.24 | U | 0.24 | 0.24 | U | 0.24 | 0.24 | U | 0.24 | 0.24 | U | 0.24 | |
| Chloroethane | 5 | 0.37 | U | 0.37 | 0.37 | U | 0.37 | 0.37 | U | 0.37 | 0.37 | U | 0.37 | 0.37 | U | 0.37 | |
| Chloroform | 70 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | |
| Chloromethane | NA | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | |
| cis-1,2-Dichloroethene | 70 | 0.26 | U | 0.26 | 0.26 | U | 0.26 | 0.26 | U | 0.26 | 0.26 | U | 0.26 | 0.26 | U | 0.26 | |
| cis-1,3-Dichloropropene | NA | 0.16 | U | 0.16 | 0.16 | U | 0.16 | 0.16 | U | 0.16 | 0.16 | U | 0.16 | 0.16 | U | 0.16 | |
| Cyclohexane | NA | 0.26 | U | 0.26 | 0.26 | U | 0.26 | 0.26 | U | 0.26 | 0.26 | U | 0.26 | 0.26 | U | 0.26 | |
| Dibromochloromethane | 1 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | |
| Dichlorodifluoromethane | 1000 | 0.14 | U | 0.14 | 0.14 | U | 0.14 | 0.14 | U | 0.14 | 0.14 | U | 0.14 | 0.14 | U | 0.14 | |
| Ethylenebenzene | 700 | 0.3 | U | 0.3 | 0.3 | U | 0.3 | 0.3 | U | 0.3 | 0.3 | U | 0.3 | 0.3 | U | 0.3 | |
| Freon TF | 20000 | 0.34 | U | 0.34 | 0.34 | U | 0.34 | 0.34 | U | 0.34 | 0.34 | U | 0.34 | 0.34 | U | 0.34 | |
| Isopropylbenzene | 700 | 0.32 | U | 0.32 | 0.32 | U | 0.32 | 0.32 | U | 0.32 | 0.32 | U | 0.32 | 0.32 | U | 0.32 | |
| Methyl acetate | 7000 | 0.58 | U | 0.58 | 0.58 | U | 0.58 | 0.58 | U | 0.58 | 0.58 | U | 0.58 | 0.58 | U | 0.58 | |
| Methylcyclohexane | NA | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | |
| Methylene Chloride | 3 | 0.52 | J | 0.21 | 0.21 | U | 0.21 | 0.49 | J | 0.21 | 0.21 | U | 0.21 | 0.21 | U | 0.21 | |
| MTBE | 70 | 0.13 | U | 0.13 | 0.13 | U | 0.13 | 0.13 | U | 0.13 | 0.13 | U | 0.13 | 0.13 | U | 0.13 | |
| Styrene | 100 | 0.17 | U | 0.17 | 0.17 | U | 0.17 | 0.17 | U | 0.17 | 0.17 | U | 0.17 | 0.17 | U | 0.17 | |
| Tetrachloroethene | 1 | 0.12 | U | 0.12 | 0.12 | U | 0.12 | 0.12 | U | 0.12 | 0.12 | U | 0.12 | 0.12 | U | 0.12 | |
| Toluene | 600 | 0.25 | U | 0.25 | 0.25 | U | 0.25 | 0.25 | U | 0.25 | 0.25 | U | 0.25 | 0.25 | U | 0.25 | |
| trans-1,2-Dichloroethene | 100 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | |
| trans-1,3-Dichloropropene | NA | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | |
| Trichloroethene | 1 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | |
| Trichlorofluoromethane | 2000 | 0.15 | U | 0.15 | 0.15 | U | 0.15 | 0.15 | U | 0.15 | 0.15 | U | 0.15 | 0.15 | U | 0.15 | |
| Vinyl chloride | 1 | 0.06 | U | 0.06 | 0.06 | U | 0.06 | 4.5 | 0.06 | 0.06 | U | 0.06 | 0.06 | U | 0.06 | 0.06 | |
| Xylenes, Total | 1000 | 0.28 | U | 0.28 | 0.28 | U | 0.28 | 0.28 | U | 0.28 | 0.28 | U | 0.28 | 0.28 | U | 0.28 | |
| Total Conc | NA | 0.52 | | 0 | | | 11.19 | | 0 | | | | 1.7 | | 0 | | |

Highlighted Concentrations shown in bold type face exceed limits

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.



SUMMARY OF ANALYTICAL RESULTS: 460-109409-1
Job Description: Retail Redevelopment Area

For:
Former GM Linden Site
1016 W. Edgar Road
Linden, NJ

| Client ID | NJ Higher of PQLs and GW | DUK059:TB-1:W022416 | | | DUK059:MW-98S:G022416 | | | DUK059:MW-98B:G022416 | | | DUK059:MW-98D:G022416 | | | DUK059:MW-26S:G022416 | | | | | | | | | | |
|-----------------------------|-----------------------------|---------------------|--------------|---------------|-----------------------|---------------|---------|-----------------------|---------------------|---------------------|-----------------------|---------------------|--------|-----------------------|--------|-------|-------|--------|--------|-------|--------|------|------|---|
| Lab Sample ID | 460-109409-7 | 460-109409-8 | 460-109409-9 | 460-109409-10 | 460-109409-11 | Sampling Date | Quality | 02/24/2016 08:01:00 | 02/24/2016 11:11:00 | 02/24/2016 09:26:00 | 02/24/2016 10:26:00 | 02/24/2016 11:40:00 | Matrix | Criterion | Water | Water | Water | Water | Water | Water | Water | | | |
| Dilution Factor | 2015 | 1 | 1 | 1 | 1 | Unit | ug/l | ug/l | ug/l | ug/l | ug/l | ug/l | ug/l | VOA-8260C-WATER | Result | Q | MDL | Result | Q | MDL | Result | Q | MDL | |
| WATER BY 8260C | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 30 | 0.28 | U | 0.28 | 0.28 | U | 0.28 | 0.28 | U | 0.28 | 0.36 | J | 0.28 | 0.28 | U | 0.28 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.08 | U |
| 1,1,2,2-Tetrachloroethane | 1 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | J | 0.19 | 0.19 | U | 0.19 | 0.08 | U | 0.08 | U | 0.08 | U | 0.08 | U |
| 1,1,2-Trichloroethane | 3 | 0.08 | U | 0.08 | 0.08 | U | 0.08 | 0.08 | U | 0.08 | 0.08 | J | 0.08 | 0.08 | U | 0.08 | 0.08 | U | 0.08 | U | 0.08 | U | 0.08 | U |
| 1,1-Dichloroethane | 50 | 0.24 | U | 0.24 | 0.92 | J | 0.24 | 0.24 | U | 0.24 | 0.24 | J | 0.24 | 0.24 | U | 0.24 | 0.24 | U | 0.24 | U | 0.24 | U | 0.24 | U |
| 1,1-Dichloroethene | 1 | 0.34 | U | 0.34 | 0.34 | U | 0.34 | 0.39 | J | 0.34 | 0.39 | J | 0.34 | 0.34 | U | 0.34 | 0.34 | U | 0.34 | U | 0.34 | U | 0.34 | U |
| 1,2,4-Trichlorobenzene | 9 | 0.27 | U | 0.27 | 0.27 | U | 0.27 | 0.27 | U | 0.27 | 0.27 | J | 0.27 | 0.27 | U | 0.27 | 0.27 | U | 0.27 | U | 0.27 | U | 0.27 | U |
| 1,2-Dibromo-3-Chloropropane | 0.02 | 0.23 | U | 0.23 | 0.23 | U | 0.23 | 0.23 | U | 0.23 | 0.23 | J | 0.23 | 0.23 | U | 0.23 | 0.23 | U | 0.23 | U | 0.23 | U | 0.23 | U |
| 1,2-Dibromoethane | 0.03 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | J | 0.19 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | U | 0.19 | U | 0.19 | U |
| 1,2-Dichlorobenzene | 600 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | J | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | U | 0.22 | U | 0.22 | U |
| 1,2-Dichloroethane | 2 | 0.25 | U | 0.25 | 0.25 | U | 0.25 | 0.25 | U | 0.25 | 0.25 | J | 0.25 | 0.25 | U | 0.25 | 0.25 | U | 0.25 | U | 0.25 | U | 0.25 | U |
| 1,2-Dichloropropane | 1 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | J | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | U | 0.18 | U | 0.18 | U |
| 1,3-Dichlorobenzene | 600 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | J | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | U | 0.33 | U | 0.33 | U |
| 1,4-Dichlorobenzene | 75 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | J | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | U | 0.33 | U | 0.33 | U |
| 2-Butanone | 300 | 2.2 | U | 2.2 | 2.2 | U | 2.2 | 2.2 | U | 2.2 | 2.2 | J | 2.2 | 2.2 | U | 2.2 | 2.2 | U | 2.2 | U | 2.2 | U | 2.2 | U |
| 2-Hexanone | 300 | 0.72 | U | 0.72 | 0.72 | U | 0.72 | 0.72 | U | 0.72 | 0.72 | J | 0.72 | 0.72 | U | 0.72 | 0.72 | U | 0.72 | U | 0.72 | U | 0.72 | U |
| 4-Methyl-2-pentanone | NA | 0.63 | U | 0.63 | 0.63 | U | 0.63 | 0.63 | U | 0.63 | 0.63 | J | 0.63 | 0.63 | U | 0.63 | 0.63 | U | 0.63 | U | 0.63 | U | 0.63 | U |
| Acetone | 6000 | 1.1 | U | 1.1 | 1.1 | U | 1.1 | 1.1 | U | 1.1 | 1.1 | J | 1.1 | 1.1 | U | 1.1 | 1.1 | U | 1.1 | U | 1.1 | U | 1.1 | U |
| Benzene | 1 | 0.09 | U | 0.09 | 0.09 | U | 0.09 | 0.09 | U | 0.09 | 0.09 | J | 0.09 | 0.09 | U | 0.09 | 0.09 | U | 0.09 | U | 0.09 | U | 0.09 | U |
| Bromodichloromethane | 1 | 0.15 | U | 0.15 | 0.15 | U | 0.15 | 0.15 | U | 0.15 | 0.15 | J | 0.15 | 0.15 | U | 0.15 | 0.15 | U | 0.15 | U | 0.15 | U | 0.15 | U |
| Bromoform | 4 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | J | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | U | 0.18 | U | 0.18 | U |
| Bromomethane | 10 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | J | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | U | 0.18 | U | 0.18 | U |
| Carbon disulfide | 700 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | J | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | U | 0.22 | U | 0.22 | U |
| Carbon tetrachloride | 1 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | J | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | U | 0.33 | U | 0.33 | U |
| Chlorobenzene | 50 | 0.24 | U | 0.24 | 0.24 | U | 0.24 | 0.24 | U | 0.24 | 0.24 | J | 0.24 | 0.24 | U | 0.24 | 0.24 | U | 0.24 | U | 0.24 | U | 0.24 | U |
| Chloroethane | 5 | 0.37 | U | 0.37 | 0.37 | U | 0.37 | 0.37 | U | 0.37 | 0.37 | J | 0.37 | 0.37 | U | 0.37 | 0.37 | U | 0.37 | U | 0.37 | U | 0.37 | U |
| Chloroform | 70 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | J | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | U | 0.22 | U | 0.22 | U |
| Chloromethane | NA | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | J | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | U | 0.22 | U | 0.22 | U |
| cis-1,2-Dichloroethane | 70 | 0.26 | U | 0.26 | 0.35 | J | 0.26 | 0.26 | U | 0.26 | 0.26 | J | 0.26 | 0.26 | U | 0.26 | 0.26 | U | 0.26 | U | 0.26 | U | 0.26 | U |
| cis-1,3-Dichloropropene | NA | 0.16 | U | 0.16 | 0.16 | U | 0.16 | 0.16 | U | 0.16 | 0.16 | J | 0.16 | 0.16 | U | 0.16 | 0.16 | U | 0.16 | U | 0.16 | U | 0.16 | U |
| Cyclohexane | NA | 0.26 | U | 0.26 | 0.26 | U | 0.26 | 0.26 | U | 0.26 | 0.26 | J | 0.26 | 0.26 | U | 0.26 | 0.26 | U | 0.26 | U | 0.26 | U | 0.26 | U |
| Dibromochloromethane | 1 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | J | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | U | 0.22 | U | 0.22 | U |
| Dichlorodifluoromethane | 1000 | 0.14 | U | 0.14 | 0.14 | U | 0.14 | 0.14 | U | 0.14 | 0.14 | J | 0.14 | 0.14 | U | 0.14 | 0.14 | U | 0.14 | U | 0.14 | U | 0.14 | U |
| Ethylbenzene | 700 | 0.3 | U | 0.3 | 0.3 | U | 0.3 | 0.3 | U | 0.3 | 0.3 | J | 0.3 | 0.3 | U | 0.3 | 0.3 | U | 0.3 | U | 0.3 | U | 0.3 | U |
| Freon TF | 20000 | 0.34 | U | 0.34 | 0.34 | U | 0.34 | 0.34 | U | 0.34 | 0.34 | J | 0.34 | 0.34 | U | 0.34 | 0.34 | U | 0.34 | U | 0.34 | U | 0.34 | U |
| Isopropylbenzene | 700 | 0.32 | U | 0.32 | 0.32 | U | 0.32 | 0.32 | U | 0.32 | 0.32 | J | 0.32 | 0.32 | U | 0.32 | 0.32 | U | 0.32 | U | 0.32 | U | 0.32 | U |
| Methyl acetate | 7000 | 0.58 | U | 0.58 | 0.58 | U | 0.58 | 0.58 | U | 0.58 | 0.58 | J | 0.58 | 0.58 | U | 0.58 | 0.58 | U | 0.58 | U | 0.58 | U | 0.58 | U |
| Methylcyclohexane | NA | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | J | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | U | 0.22 | U | 0.22 | U |
| Methylene Chloride | 3 | 0.21 | U | 0.21 | 0.38 | J | 0.21 | 0.38 | U | 0.21 | 0.38 | J | 0.21 | 0.38 | U | 0.21 | 0.38 | U | 0.21 | U | 0.21 | U | 0.21 | U |
| MTBE | 70 | 0.13 | U | 0.13 | 0.13 | U | 0.13 | 0.13 | U | 0.13 | 0.13 | J | 0.13 | 0.13 | U | 0.13 | 0.13 | U | 0.13 | U | 0.13 | U | 0.13 | U |
| Styrene | 100 | 0.17 | U | 0.17 | 0.17 | U | 0.17 | 0.17 | U | 0.17 | 0.17 | J | 0.17 | 0.17 | U | 0.17 | 0.17 | U | 0.17 | U | 0.17 | U | 0.17 | U |
| Tetrachloroethene | 1 | 0.12 | U | 0.12 | 0.12 | U | 0.12 | 0.12 | U | 0.12 | 0.12 | J | 0.12 | 0.12 | U | 0.12 | 0.12 | U | 0.12 | U | 0.12 | U | 0.12 | U |
| Toluene | 600 | 0.25 | U | 0.25 | 0.25 | U | 0.25 | 0.25 | U | 0.25 | 0.25 | J | 0.25 | 0.25 | U | 0.25 | 0.25 | U | 0.25 | U | 0.25 | U | 0.25 | U |
| trans-1,2-Dichloroethene | 100 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | J | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | U | 0.18 | U | 0.18 | U |
| trans-1,3-Dichloropropene | NA | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | J | 0.19 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | U | 0.19 | U | 0.19 | U |
| Trichloroethene | 1 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | J | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | U | 0.22 | U | 0.22 | U |
| Trichlorofluoromethane | 2000 | 0.15 | U | 0.15 | 0.15 | U | 0.15 | 0.15 | U | 0.15 | 0.15 | J | 0.15 | 0.15 | U | 0.15 | 0.15 | U | 0.15 | U | 0.15 | U | 0.15 | U |
| Vinyl chloride | 1 | 0.06 | U | 0.06 | 0.06 | U | 0.06 | 0.06 | U | 0.06 | 0.06 | J | 0.06 | 0.06 | U | 0.06 | 0.06 | U | 0.06</ | | | | | |



Job Description: Retail Redevelopment Area

For:

Former GM Linden Site
10616 W. Edgar Road
Linden, NJ

| Client ID | NJ Higher of | DUK059:MW-27S:G022216 | DUK059:EB-2:W022216 | DUK059:TB-2:W022216 | |
|-----------------------------|--------------|-----------------------|---------------------|---------------------|------|
| Lab Sample ID | PQLs and GW | 460-109236-1 | 460-109236-2 | 460-109236-3 | |
| Sampling Date | Quality | 02/22/2016 11:51:00 | 02/22/2016 11:10:00 | 02/22/2016 11:09:00 | |
| Matrix | Criterion | Water | Water | Water | |
| Dilution Factor | 2015 | 1 | 1 | 1 | |
| Unit | ug/l | ug/l | ug/l | ug/l | |
| VOA-8260C-WATER | | | | | |
| WATER BY: 8260C | | | | | |
| 1,1,1-Trichloroethane | 30 | 0.28 U | 0.28 | 0.28 U | 0.28 |
| 1,1,2,2-Tetrachloroethane | 1 | 0.19 U | 0.19 | 0.19 U | 0.19 |
| 1,1,2-Trichloroethane | 3 | 0.08 U | 0.08 | 0.08 U | 0.08 |
| 1,1-Dichloroethane | 50 | 0.24 U | 0.24 | 0.24 U | 0.24 |
| 1,1-Dichloroethene | 1 | 0.34 U | 0.34 | 0.34 U | 0.34 |
| 1,2,4-Trichlorobenzene | 9 | 0.27 U | 0.27 | 0.27 U | 0.27 |
| 1,2-Dibromo-3-Chloropropane | 0.02 | 0.23 U | 0.23 | 0.23 U | 0.23 |
| 1,2-Dibromoethane | 0.03 | 0.19 U | 0.19 | 0.19 U | 0.19 |
| 1,2-Dichlorobenzene | 600 | 0.22 U | 0.22 | 0.22 U | 0.22 |
| 1,2-Dichloroethane | 2 | 0.25 U | 0.25 | 0.25 U | 0.25 |
| 1,2-Dichloropropane | 1 | 0.18 U | 0.18 | 0.18 U | 0.18 |
| 1,3-Dichlorobenzene | 600 | 0.33 U | 0.33 | 0.33 U | 0.33 |
| 1,4-Dichlorobenzene | 75 | 0.33 U | 0.33 | 0.33 U | 0.33 |
| 2-Butanone | 300 | 2.2 U* | 2.2 | 2.2 U* | 2.2 |
| 2-Hexanone | 300 | 0.72 U* | 0.72 | 0.72 U* | 0.72 |
| 4-Methyl-2-pentanone | NA | 0.63 U* | 0.63 | 0.63 U* | 0.63 |
| Acetone | 6000 | 1.1 U* | 1.1 | 1.1 U* | 1.1 |
| Benzene | 1 | 0.09 U | 0.09 | 0.09 U | 0.09 |
| Bromodichloromethane | 1 | 0.15 U | 0.15 | 0.15 U | 0.15 |
| Bromoform | 4 | 0.18 U* | 0.18 | 0.18 U* | 0.18 |
| Bromomethane | 10 | 0.18 U | 0.18 | 0.18 U | 0.18 |
| Carbon disulfide | 700 | 0.22 U | 0.22 | 0.22 U | 0.22 |
| Carbon tetrachloride | 1 | 0.33 U* | 0.33 | 0.33 U* | 0.33 |
| Chlorobenzene | 50 | 0.24 U | 0.24 | 0.24 U | 0.24 |
| Chloroethane | 5 | 0.37 U | 0.37 | 0.37 U | 0.37 |
| Chloroform | 70 | 0.22 U | 0.22 | 0.22 U | 0.22 |
| Chloromethane | NA | 0.22 U | 0.22 | 0.22 U | 0.22 |
| cis-1,2-Dichloroethene | 70 | 0.26 U | 0.26 | 0.26 U | 0.26 |
| cis-1,3-Dichloropropene | NA | 0.16 U | 0.16 | 0.16 U | 0.16 |
| Cyclohexane | NA | 0.26 U | 0.26 | 0.26 U | 0.26 |
| Dibromochloromethane | 1 | 0.22 U* | 0.22 | 0.22 U* | 0.22 |
| Dichlorodifluoromethane | 1000 | 0.14 U | 0.14 | 0.14 U | 0.14 |
| Ethylbenzene | 700 | 0.3 U | 0.3 | 0.3 U | 0.3 |
| Freon TF | 20000 | 0.34 U | 0.34 | 0.34 U | 0.34 |
| Isopropylbenzene | 700 | 0.32 U | 0.32 | 0.32 U | 0.32 |
| Methyl acetate | 7000 | 0.58 U | 0.58 | 0.58 U | 0.58 |
| Methylcyclohexane | NA | 0.22 U | 0.22 | 0.22 U | 0.22 |
| Methylene Chloride | 3 | 0.21 U | 0.21 | 0.21 U | 0.21 |
| MTBE | 70 | 0.13 U | 0.13 | 0.13 U | 0.13 |
| Styrene | 100 | 0.17 U | 0.17 | 0.17 U | 0.17 |
| Tetrachloroethene | 1 | 0.12 U | 0.12 | 0.12 U | 0.12 |
| Toluene | 600 | 0.25 U | 0.25 | 0.25 U | 0.25 |
| trans-1,2-Dichloroethene | 100 | 0.18 U | 0.18 | 0.18 U | 0.18 |
| trans-1,3-Dichloropropane | NA | 0.19 U | 0.19 | 0.19 U | 0.19 |
| Trichloroethene | 1 | 0.22 U | 0.22 | 0.22 U | 0.22 |
| Trichlorofluoromethane | 2000 | 0.15 U | 0.15 | 0.15 U | 0.15 |
| Vinyl chloride | 1 | 0.06 U | 0.06 | 0.06 U | 0.06 |
| Xylenes, Total | 1000 | 0.28 U | 0.28 | 0.28 U | 0.28 |
| Total Conc | NA | 0 | 2.6 | 1 | 1.3 |

*: LCS or LCSD is outside acceptance limits.

*: RPD of the LCS and LCSD exceeds the control limits

U : indicates the analyte was analyzed for but not detected.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-109410-1

Job Description: Duke Linden NJ, February, 2016

For:

Former GM Linden Site

1016 W. Edgar Road

Linden, NJ

| Client ID | DUK059:WC-W1-W022416 | | |
|-----------------------------|---|---------------------|-------|
| Lab Sample ID | Higher of NJ PQLs and GW Quality Criterion | 460-109410-1 | |
| Sampling Date | 2015 | 02/24/2016 13:00:00 | Water |
| Matrix | | | 1 |
| Dilution Factor | | | ug/l |
| Unit | ug/l | ug/l | ug/l |
| VOA-8260C-WATER | | Result | Q |
| WATER BY 8260C | | | MDL |
| 1,1,1-Trichloroethane | 30 | 0.28 | U |
| 1,1,2,2-Tetrachloroethane | 1 | 0.19 | U |
| 1,1,2-Trichloroethane | 3 | 0.08 | U |
| 1,1-Dichloroethane | 50 | 0.24 | U |
| 1,1-Dichloroethene | 1 | 0.34 | U |
| 1,2,4-Trichlorobenzene | 9 | 0.27 | U |
| 1,2-Dibromo-3-Chloropropane | 0.02 | 0.23 | U |
| 1,2-Dibromoethane | 0.03 | 0.19 | U |
| 1,2-Dichlorobenzene | 600 | 0.96 | J |
| 1,2-Dichloroethane | 2 | 0.57 | J |
| 1,2-Dichloropropane | 1 | 0.18 | U |
| 1,3-Dichlorobenzene | 600 | 0.33 | U |
| 1,4-Dichlorobenzene | 75 | 0.33 | U |
| 2-Butanone | 300 | 16 | 2.2 |
| 2-Hexanone | 300 | 0.72 | U |
| 4-Methyl-2-pentanone | NA | 37 | 0.63 |
| Acetone | 6000 | 83 | 1.1 |
| Benzene | 1 | 13 | 0.09 |
| Bromodichloromethane | 1 | 0.15 | U |
| Bromoform | 4 | 0.18 | U |
| Bromomethane | 10 | 0.18 | U |
| Carbon disulfide | 700 | 0.22 | U |
| Carbon tetrachloride | 1 | 0.33 | U |
| Chlorobenzene | 50 | 1.5 | 0.24 |
| Chloroethane | 5 | 0.37 | U |
| Chloroform | 70 | 0.22 | U |
| Chloromethane | NA | 0.22 | U |
| cis-1,2-Dichloroethene | 70 | 2.2 | 0.26 |
| cis-1,3-Dichloropropene | NA | 0.16 | U |
| Cyclohexane | NA | 2.1 | 0.26 |
| Dibromochloromethane | 1 | 0.22 | U |
| Dichlorodifluoromethane | 1000 | 0.14 | U |
| Ethylbenzene | 700 | 12 | 0.3 |
| Freon TF | 20000 | 0.34 | U |
| Isopropylbenzene | 700 | 1.2 | 0.32 |
| Methyl acetate | 7000 | 0.58 | U |
| Methylcyclohexane | NA | 0.22 | U |
| Methylene Chloride | 3 | 0.21 | U |
| MTBE | 70 | 0.13 | U |
| Styrene | 100 | 0.17 | U |
| Tetrachloroethene | 1 | 2.1 | 0.12 |
| Toluene | 600 | 55 | 0.25 |
| trans-1,2-Dichloroethene | 100 | 0.99 | J |
| trans-1,3-Dichloropropene | NA | 0.19 | U |
| Trichloroethene | 1 | 3.4 | 0.22 |
| Trichlorofluoromethane | 2000 | 0.15 | U |
| Vinyl chloride | 1 | 0.71 | J |
| Xylenes, Total | 1000 | 57 | 0.28 |
| Total Conc | NA | 288.73 | |

Highlighted Concentrations shown in bold type face exceed limits

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.



THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-114514-1

Job Description: GM Linden May 2016 Retail Redevelopment Area

For:

Former GM Linden Site
1016 W. Edgar Road
Linden, NJ

| Client ID | NJ Higher of | DUK059:EB-1:W052616 | | DUK059:TB-1:W052616 | | DUK059:MW-55S:G052616 | | DUK059:MW-56D:G052616 | | DUK059:MW-56D:G052616A | | DUK059:MW-17S:G052616 | |
|-----------------------------|--------------|---------------------|---|---------------------|---|-----------------------|---|-----------------------|---|------------------------|---|-----------------------|---|
| Lab Sample ID | PQLs and GW | 460-114514-1 | | 460-114514-2 | | 460-114514-3 | | 460-114514-4 | | 460-114514-5 | | 460-114514-6 | |
| Sampling Date | Quality | 05/26/2016 07:20:00 | | 05/26/2016 07:21:00 | | 05/26/2016 08:00:00 | | 05/26/2016 09:15:00 | | 05/26/2016 09:15:00 | | 05/26/2016 10:05:00 | |
| Matrix | Criterion | Water | | Water | | Water | | Water | | Water | | Water | |
| Dilution Factor | | 2015 | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| Unit | | ug/l | | ug/l | | ug/l | | ug/l | | ug/l | | ug/l | |
| VOA-B260C-WATER | | | | | | | | | | | | | |
| WATER-BY B260C | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 30 | 0.28 | U | 0.28 | | 0.28 | U | 0.28 | | 0.28 | U | 0.28 | U |
| 1,1,2,2-Tetrachloroethane | 1 | 0.19 | U | 0.19 | | 0.19 | U | 0.19 | | 0.19 | U | 0.19 | U |
| 1,1,2-Trichloroethane | 3 | 0.08 | U | 0.08 | | 0.08 | U | 0.08 | | 0.08 | U | 0.08 | U |
| 1,1-Dichloroethane | 50 | 0.24 | U | 0.24 | | 0.24 | U | 0.24 | | 0.24 | U | 0.24 | U |
| 1,1-Dichloroethene | 1 | 0.34 | U | 0.34 | | 0.34 | U | 0.34 | | 0.34 | U | 0.34 | U |
| 1,2,4-Trichlorobenzene | 9 | 0.27 | U | 0.27 | | 0.27 | U | 0.27 | | 0.27 | U | 0.27 | U |
| 1,2-Dibromo-3-Chloropropane | 0.02 | 0.23 | U | 0.23 | | 0.23 | U | 0.23 | | 0.23 | U | 0.23 | U |
| 1,2-Dibromoethane | 0.03 | 0.19 | U | 0.19 | | 0.19 | U | 0.19 | | 0.19 | U | 0.19 | U |
| 1,2-Dichlorobenzene | 600 | 0.22 | U | 0.22 | | 0.22 | U | 0.22 | | 0.22 | U | 0.22 | U |
| 1,2-Dichloroethane | 2 | 0.26 | U | 0.25 | | 0.25 | U | 0.25 | | 0.25 | U | 0.25 | U |
| 1,2-Dichloropropane | 1 | 0.18 | U | 0.18 | | 0.18 | U | 0.18 | | 0.18 | U | 0.18 | U |
| 1,3-Dichlorobenzene | 600 | 0.33 | U | 0.33 | | 0.33 | U | 0.33 | | 0.33 | U | 0.33 | U |
| 1,4-Dichlorobenzene | 75 | 0.33 | U | 0.33 | | 0.33 | U | 0.33 | | 0.33 | U | 0.33 | U |
| 2-Butanone | 300 | 2.2 | U | 2.2 | | 2.2 | U | 2.2 | | 2.2 | U | 2.2 | J |
| 2-Hexanone | 300 | 0.72 | U | 0.72 | | 0.72 | U | 0.72 | | 0.72 | U | 0.72 | J |
| 4-Methyl-2-pentanone | NA | 0.63 | U | 0.63 | | 0.63 | U | 0.63 | | 0.63 | U | 0.63 | J |
| Acetone | 6000 | 1.1 | U | 1.1 | | 1.1 | U | 1.1 | | 1.1 | U | 1.1 | U |
| Benzene | 1 | 0.09 | U | 0.09 | | 0.09 | U | 0.09 | | 0.09 | U | 0.09 | U |
| Bromodichloromethane | 1 | 0.15 | U | 0.15 | | 0.15 | U | 0.15 | | 0.15 | U | 0.15 | U |
| Bromoform | 4 | 0.18 | U | 0.18 | | 0.18 | U | 0.18 | | 0.18 | U | 0.18 | U |
| Bromomethane | 10 | 0.18 | U | 0.18 | | 0.18 | U | 0.18 | | 0.18 | U | 0.18 | U |
| Carbon disulfide | 700 | 0.22 | U | 0.22 | | 0.22 | U | 0.22 | | 0.22 | U | 0.22 | U |
| Carbon tetrachloride | 1 | 0.33 | U | 0.33 | | 0.33 | U | 0.33 | | 0.33 | U | 0.33 | U |
| Chlorobenzene | 50 | 0.24 | U | 0.24 | | 0.24 | U | 0.24 | | 0.24 | U | 0.24 | U |
| Chloroethane | 5 | 0.37 | U | 0.37 | | 0.37 | U | 0.37 | | 0.37 | U | 0.37 | U |
| Chloroform | 70 | 0.22 | U | 0.22 | | 0.22 | U | 0.22 | | 0.22 | U | 0.22 | U |
| Chloromethane | NA | 0.22 | U | 0.22 | | 0.22 | U | 0.22 | | 0.22 | U | 0.22 | U |
| cis-1,2-Dichloroethene | 70 | 0.26 | U | 0.26 | | 0.26 | U | 0.26 | | 0.26 | U | 0.26 | U |
| cis-1,3-Dichloropropene | NA | 0.16 | U | 0.16 | | 0.16 | U | 0.16 | | 0.16 | U | 0.16 | U |
| Cyclohexane | NA | 0.26 | U | 0.26 | | 0.26 | U | 0.26 | | 0.26 | U | 0.26 | U |
| Dibromochloromethane | 1 | 0.22 | U | 0.22 | | 0.22 | U | 0.22 | | 0.22 | U | 0.22 | U |
| Dichlorodifluoromethane | 1000 | 0.14 | U | 0.14 | | 0.14 | U | 0.14 | | 0.14 | U | 0.14 | U |
| Ethylbenzene | 700 | 0.3 | U | 0.3 | | 0.3 | U | 0.3 | | 0.3 | U | 0.3 | U |
| Freon TF | 20000 | 0.34 | U | 0.34 | | 0.34 | U | 0.34 | | 0.34 | U | 0.34 | U |
| Isopropylbenzene | 700 | 0.32 | U | 0.32 | | 0.32 | U | 0.32 | | 0.32 | U | 0.32 | U |
| Methyl acetate | 7000 | 0.58 | U | 0.58 | | 0.58 | U | 0.58 | | 0.58 | U | 0.58 | U |
| Methylcyclohexane | NA | 0.22 | U | 0.22 | | 0.22 | U | 0.22 | | 0.22 | U | 0.22 | U |
| Methylene Chloride | 3 | 2.4 | U | 2.1 | | 0.3 | J | 0.21 | | 0.83 | J | 0.21 | U |
| MTBE | 70 | 0.13 | U | 0.13 | | 0.13 | U | 0.13 | | 0.13 | U | 0.13 | U |
| Styrene | 100 | 0.17 | U | 0.17 | | 0.17 | U | 0.17 | | 0.17 | U | 0.17 | U |
| Tetrachloroethene | 1 | 0.12 | U | 0.12 | | 0.12 | U | 0.12 | | 0.12 | U | 0.12 | U |
| Toluene | 600 | 0.25 | U | 0.25 | | 0.25 | U | 0.25 | | 0.25 | U | 0.25 | U |
| trans-1,2-Dichloroethene | 100 | 0.18 | U | 0.18 | | 0.18 | U | 0.18 | | 0.18 | U | 0.18 | U |
| trans-1,3-Dichloropropene | NA | 0.19 | U | 0.19 | | 0.19 | U | 0.19 | | 0.19 | U | 0.19 | U |
| Trichloroethene | 1 | 0.22 | U | 0.22 | | 0.22 | U | 0.22 | | 4.3 | U | 4 | U |
| Trichlorofluoromethane | 2000 | 0.15 | U | 0.15 | | 0.15 | U | 0.15 | | 0.15 | U | 0.15 | U |
| Vinyl chloride | 1 | 0.06 | U | 0.06 | | 0.06 | U | 0.06 | | 5 | U | 5.2 | U |
| Xylenes, Total | 1000 | 0.28 | U | 0.28 | | 0.28 | U | 0.28 | | 0.28 | U | 0.28 | U |
| Total Conc | NA | 2.4 | | 0.3 | | 0.82 | | 13.73 | | 12.9 | | 57.6 | |

Highlighted Concentrations shown in bold type face exceed limits

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Groundwater Analytical Result - Duke Linden Retail Redevelopment Area
May 2016 Sampling Event



THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-114514-1

Job Description: GM Linden May 2016 Retail Redevelopment Area

For:

Former GM Linden Site
1016 W. Edgar Road
Linden, NJ

| Client ID | NJ Higher of | DUK059:MW-17D:G052616 | | DUK059:MW-26S:G052616 | | DUK059:MW-27S:G052616 | | DUK059:MW-98S:G052616 | | DUK059:MW-98D:G052616 | | DUK059:MW-98B:G052616 | |
|-----------------------------|--------------|-----------------------|---|-----------------------|------|-----------------------|------|-----------------------|---|-----------------------|------|-----------------------|------|
| Lab Sample ID | PQLs and GW | 460-114514-7 | | 460-114514-8 | | 460-114514-9 | | 460-114514-10 | | 460-114514-11 | | 460-114514-12 | |
| Sampling Date | Quality | 05/26/2016 11:15:00 | | 05/26/2016 11:30:00 | | 05/26/2016 12:20:00 | | 05/26/2016 08:21:00 | | 05/26/2016 09:48:00 | | 05/26/2016 10:46:00 | |
| Matrix | Criterion | Water | | Water | | Water | | Water | | Water | | Water | |
| Dilution Factor | 2015 | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | |
| Unit | ug/l | ug/l | | ug/l | | ug/l | | ug/l | | ug/l | | ug/l | |
| VOA-8260C-WATER | | | | | | | | | | | | | |
| WATER:BY-8260C: | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 30 | 0.28 | U | 0.28 | 0.28 | U | 0.28 | 0.28 | U | 0.28 | 0.28 | U | 0.28 |
| 1,1,2,2-Tetrachloroethane | 1 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | U | 0.19 |
| 1,1,2-Trichloroethane | 3 | 0.08 | U | 0.08 | 0.08 | U | 0.08 | 0.08 | U | 0.08 | 0.08 | U | 0.08 |
| 1,1-Dichloroethane | 50 | 0.24 | U | 0.24 | 0.24 | U | 0.24 | 0.49 | J | 0.24 | 1.8 | U | 0.24 |
| 1,1-Dichloroethylene | 1 | 0.34 | U | 0.34 | 0.34 | U | 0.34 | 0.34 | U | 0.34 | 2.5 | U | 0.34 |
| 1,2,4-Trichlorobenzene | 9 | 0.27 | U | 0.27 | 0.27 | U | 0.27 | 0.27 | U | 0.27 | 0.27 | U | 0.27 |
| 1,2-Dibromo-3-Chloropropene | 0.02 | 0.23 | U | 0.23 | 0.23 | U | 0.23 | 0.23 | U | 0.23 | 0.23 | U | 0.23 |
| 1,2-Dibromoethane | 0.03 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | U | 0.19 |
| 1,2-Dichlorobenzene | 600 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 1.3 | U | 0.22 |
| 1,2-Dichloroethane | 2 | 1.1 | U | 0.25 | 0.25 | U | 0.25 | 0.25 | U | 0.25 | 0.25 | U | 0.25 |
| 1,2-Dichloropropane | 1 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 |
| 1,3-Dichlorobenzene | 600 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 |
| 1,4-Dichlorobenzene | 75 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 |
| 2-Butanone | 300 | 2.2 | U | 2.2 | 2.2 | U | 2.2 | 2.2 | U | 2.2 | 2.2 | U | 2.2 |
| 2-Hexanone | 300 | 0.72 | U | 0.72 | 0.72 | U | 0.72 | 0.72 | U | 0.72 | 0.72 | U | 0.72 |
| 4-Methyl-2-pentanone | NA | 0.63 | U | 0.63 | 0.63 | U | 0.63 | 0.63 | U | 0.63 | 0.63 | U | 0.63 |
| Acetone | 6000 | 1.1 | U | 1.1 | 1.1 | U | 1.1 | 1.1 | U | 1.1 | 1.1 | U | 1.1 |
| Benzene | 1 | 0.09 | U | 0.09 | 0.09 | U | 0.09 | 0.09 | U | 0.09 | 0.09 | U | 0.09 |
| Bromodichloromethane | 1 | 0.15 | U | 0.15 | 0.15 | U | 0.15 | 0.15 | U | 0.15 | 0.15 | U | 0.15 |
| Bromoform | 4 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 |
| Bromomethane | 10 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 |
| Carbon disulfide | 700 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 |
| Carbon tetrachloride | 1 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 | 0.33 | U | 0.33 |
| Chlorobenzene | 50 | 0.24 | U | 0.24 | 0.24 | U | 0.24 | 0.24 | U | 0.24 | 0.24 | U | 0.24 |
| Chloroethane | 5 | 0.37 | U | 0.37 | 0.37 | U | 0.37 | 0.37 | U | 0.37 | 0.37 | U | 0.37 |
| Chloroform | 70 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 |
| Chloromethane | NA | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 |
| cis-1,2-Dichloroethene | 70 | 0.3 | J | 0.26 | 0.26 | U | 0.26 | 0.26 | U | 0.26 | 0.49 | J | 0.26 |
| cis-1,3-Dichloropropene | NA | 0.16 | U | 0.16 | 0.16 | U | 0.16 | 0.16 | U | 0.16 | 0.16 | U | 0.16 |
| Cyclohexane | NA | 0.26 | U | 0.26 | 0.26 | U | 0.26 | 0.26 | U | 0.26 | 0.26 | U | 0.26 |
| Dibromochloromethane | 1 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 |
| Dichlorodifluoromethane | 1000 | 0.14 | U | 0.14 | 0.14 | U | 0.14 | 0.14 | U | 0.14 | 0.14 | U | 0.14 |
| Ethylbenzene | 700 | 0.3 | U | 0.3 | 0.3 | U | 0.3 | 0.3 | U | 0.3 | 0.3 | U | 0.3 |
| Freon TF | 20000 | 0.34 | U | 0.34 | 0.34 | U | 0.34 | 0.34 | U | 0.34 | 0.34 | U | 0.34 |
| Isopropylbenzene | 700 | 0.32 | U | 0.32 | 0.32 | U | 0.32 | 0.32 | U | 0.32 | 0.32 | U | 0.32 |
| Methyl acetate | 7000 | 0.58 | U | 0.58 | 0.58 | U | 0.58 | 0.58 | U | 0.58 | 0.58 | U | 0.58 |
| Methylcyclohexane | NA | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 |
| Methylene Chloride | 3 | 0.21 | U | 0.21 | 0.21 | U | 0.21 | 0.21 | U | 0.21 | 0.21 | U | 0.21 |
| MTBE | 70 | 0.13 | U | 0.13 | 0.13 | U | 0.13 | 0.13 | U | 0.13 | 0.13 | U | 0.13 |
| Styrene | 100 | 0.17 | U | 0.17 | 0.17 | U | 0.17 | 0.17 | U | 0.17 | 0.17 | U | 0.17 |
| Tetrachloroethylene | 1 | 0.12 | U | 0.12 | 0.12 | U | 0.12 | 0.12 | U | 0.12 | 27 | U | 0.12 |
| Toluene | 600 | 0.25 | U | 0.25 | 0.25 | U | 0.25 | 0.25 | U | 0.25 | 0.25 | U | 0.25 |
| trans-1,2-Dichloroethene | 100 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 | 0.18 | U | 0.18 |
| trans-1,3-Dichloropropene | NA | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | U | 0.19 | 0.19 | U | 0.19 |
| Trichloroethene | 1 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 0.22 | U | 0.22 | 1.2 | U | 0.22 |
| Trichlorofluoromethane | 2000 | 0.15 | U | 0.15 | 0.15 | U | 0.15 | 0.15 | U | 0.15 | 0.15 | U | 0.15 |
| Vinyl chloride | 1 | 0.06 | U | 0.06 | 0.06 | U | 0.06 | 0.06 | U | 0.06 | 0.06 | U | 0.06 |
| Xylenes, Total | 1000 | 0.28 | U | 0.28 | 0.28 | U | 0.28 | 0.28 | U | 0.28 | 0.28 | U | 0.28 |
| Total Conc | NA | 1.4 | | 0 | 0 | | 0 | 15.4 | | 34.29 | | 1.27 | |

Highlighted Concentrations shown in bold type face exceed limits
 J : Result is less than the RL but greater than or equal to the MDL and
 U : Indicates the analyte was analyzed for but not detected.

ATTACHMENT C

February 2016 Waste Characterization Results

May 2016 Waste Characterization Results

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-109410-1

Job Description: Duke Linden NJ, February, 2016

For:

Former GM Linden Site
1016 W. Edgar Road
Linden, NJ

| Client ID | DUK059:WC-W1:W022416 | | |
|-----------------------------|--|---------------------|-------|
| Lab Sample ID | Higher of NJ PQLs and GW Quality Criterion | 460-109410-1 | |
| Sampling Date | 2015 | 02/24/2016 13:00:00 | |
| Matrix | | | Water |
| Dilution Factor | | | 1 |
| Unit | ug/l | ug/l | MDL |
| VOA-8260C-WATER | | Result | Q |
| WATER BY 8260C | | | |
| 1,1,1-Trichloroethane | 30 | 0.28 | U |
| 1,1,2,2-Tetrachloroethane | 1 | 0.19 | U |
| 1,1,2-Trichloroethane | 3 | 0.08 | U |
| 1,1-Dichloroethane | 50 | 0.24 | U |
| 1,1-Dichloroethene | 1 | 0.34 | U |
| 1,2,4-Trichlorobenzene | 9 | 0.27 | U |
| 1,2-Dibromo-3-Chloropropane | 0.02 | 0.23 | U |
| 1,2-Dibromoethane | 0.03 | 0.19 | U |
| 1,2-Dichlorobenzene | 600 | 0.96 | J |
| 1,2-Dichloroethane | 2 | 0.57 | J |
| 1,2-Dichloropropane | 1 | 0.18 | U |
| 1,3-Dichlorobenzene | 600 | 0.33 | U |
| 1,4-Dichlorobenzene | 75 | 0.33 | U |
| 2-Butanone | 300 | 16 | 2.2 |
| 2-Hexanone | 300 | 0.72 | U |
| 4-Methyl-2-pentanone | NA | 37 | 0.63 |
| Acetone | 6000 | 83 | 1.1 |
| Benzene | 1 | 13 | 0.09 |
| Bromodichloromethane | 1 | 0.15 | U |
| Bromoform | 4 | 0.18 | U |
| Bromomethane | 10 | 0.18 | U |
| Carbon disulfide | 700 | 0.22 | U |
| Carbon tetrachloride | 1 | 0.33 | U |
| Chlorobenzene | 50 | 1.5 | 0.24 |
| Chloroethane | 5 | 0.37 | U |
| Chloroform | 70 | 0.22 | U |
| Chloromethane | NA | 0.22 | U |
| cis-1,2-Dichloroethene | 70 | 2.2 | 0.26 |
| cis-1,3-Dichloropropene | NA | 0.16 | U |
| Cyclohexane | NA | 2.1 | 0.26 |
| Dibromochloromethane | 1 | 0.22 | U |
| Dichlorodifluoromethane | 1000 | 0.14 | U |
| Ethylbenzene | 700 | 12 | 0.3 |
| Freon TF | 20000 | 0.34 | U |
| Isopropylbenzene | 700 | 1.2 | 0.32 |
| Methyl acetate | 7000 | 0.58 | U |
| Methylcyclohexane | NA | 0.22 | U |
| Methylene Chloride | 3 | 0.21 | U |
| MTBE | 70 | 0.13 | U |
| Styrene | 100 | 0.17 | U |
| Tetrachloroethene | 1 | 2.1 | 0.12 |
| Toluene | 600 | 55 | 0.25 |
| trans-1,2-Dichloroethene | 100 | 0.99 | J |
| trans-1,3-Dichloropropene | NA | 0.19 | U |
| Trichloroethene | 1 | 3.4 | 0.22 |
| Trichlorofluoromethane | 2000 | 0.15 | U |
| Vinyl chloride | 1 | 0.71 | J |
| Xylenes, Total | 1000 | 57 | 0.28 |
| Total Conc | NA | 288.73 | |

Highlighted Concentrations shown in bold type face exceed limits

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Waste Characterization Results
May 2016 Purge Water
May 2016 Well Decommissioning

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-114552-1
Job Description: Duke Linden NJ May 2016 Retail Area
For:
Former GM Linden Site
1016 W. Edgar Road
Linden, NJ

| Client ID | NJ Higher of | DUK059:WC-W1:W052716 | | DUK059:WC-DRUMS:W052716 | |
|-----------------------------|--------------|----------------------|------|-------------------------|------|
| Lab Sample ID | PQLs and GW | 460-114552-1 | | 460-114552-2 | |
| Sampling Date | Quality | 05/27/2016 11:05:00 | | 05/27/2016 11:10:00 | |
| Matrix | Criterion | Water | | Water | |
| Dilution Factor | 2015 | 1 | | 1 | |
| Unit | ug/l | ug/l | | ug/l | |
| VOA-8260C-WATER | | | | | |
| WATER BY_8260C | | | | | |
| 1,1,1-Trichloroethane | 30 | 0.28 U | 0.28 | 0.28 U | 0.28 |
| 1,1,2,2-Tetrachloroethane | 1 | 0.19 U | 0.19 | 0.19 U | 0.19 |
| 1,1,2-Trichloroethane | 3 | 0.08 U | 0.08 | 0.25 J | 0.08 |
| 1,1-Dichloroethane | 50 | 0.24 U | 0.24 | 0.24 U | 0.24 |
| 1,1-Dichloroethene | 1 | 0.34 U | 0.34 | 0.51 J | 0.34 |
| 1,2,4-Trichlorobenzene | 9 | 0.27 U | 0.27 | 0.27 U | 0.27 |
| 1,2-Dibromo-3-Chloropropane | 0.02 | 0.23 U | 0.23 | 0.23 U | 0.23 |
| 1,2-Dibromoethane | 0.03 | 0.19 U | 0.19 | 0.19 U | 0.19 |
| 1,2-Dichlorobenzene | 600 | 0.78 J | 0.22 | 0.22 U | 0.22 |
| 1,2-Dichloroethane | 2 | 0.35 J | 0.25 | 24 | 0.25 |
| 1,2-Dichloropropane | 1 | 0.18 U | 0.18 | 0.18 U | 0.18 |
| 1,3-Dichlorobenzene | 600 | 0.33 U | 0.33 | 0.33 U | 0.33 |
| 1,4-Dichlorobenzene | 75 | 0.33 U | 0.33 | 0.33 U | 0.33 |
| 2-Butanone | 300 | 4.8 J | 2.2 | 2.2 U | 2.2 |
| 2-Hexanone | 300 | 0.72 U | 0.72 | 0.72 U | 0.72 |
| 4-Methyl-2-pentanone | NA | 20 | 0.63 | 0.63 U | 0.63 |
| Acetone | 6000 | 22 | 1.1 | 23 | 1.1 |
| Benzene | 1 | 13 | 0.09 | 4.8 | 0.09 |
| Bromodichloromethane | 1 | 0.15 U | 0.15 | 0.15 U | 0.15 |
| Bromoform | 4 | 0.18 U* | 0.18 | 0.18 U* | 0.18 |
| Bromomethane | 10 | 0.18 U | 0.18 | 0.18 U | 0.18 |
| Carbon disulfide | 700 | 0.22 U | 0.22 | 0.22 U | 0.22 |
| Carbon tetrachloride | 1 | 0.33 U | 0.33 | 0.33 U | 0.33 |
| Chlorobenzene | 50 | 0.39 J | 0.24 | 5.7 | 0.24 |
| Chloroethane | 5 | 0.37 U | 0.37 | 0.37 U | 0.37 |
| Chloroform | 70 | 0.22 U | 0.22 | 0.71 J | 0.22 |
| Chloromethane | NA | 0.22 U | 0.22 | 0.22 U | 0.22 |
| cis-1,2-Dichloroethene | 70 | 1.3 | 0.26 | 20 | 0.26 |
| cis-1,3-Dichloropropene | NA | 0.16 U | 0.16 | 0.16 U | 0.16 |
| Cyclohexane | NA | 6.5 | 0.26 | 0.26 U | 0.26 |
| Dibromochloromethane | 1 | 0.22 U | 0.22 | 0.22 U | 0.22 |
| Dichlorodifluoromethane | 1000 | 0.14 U | 0.14 | 0.14 U | 0.14 |
| Ethylbenzene | 700 | 20 | 0.3 | 0.3 U | 0.3 |
| Freon TF | 20000 | 0.34 U | 0.34 | 0.34 U | 0.34 |
| Isopropylbenzene | 700 | 1.8 | 0.32 | 0.32 U | 0.32 |
| Methyl acetate | 7000 | 0.58 U | 0.58 | 0.58 U | 0.58 |
| Methylcyclohexane | NA | 1.9 | 0.22 | 0.22 U | 0.22 |
| Methylene Chloride | 3 | 0.4 J | 0.21 | 0.21 U | 0.21 |
| MTBE | 70 | 0.13 U | 0.13 | 0.2 J | 0.13 |
| Styrene | 100 | 0.17 U | 0.17 | 0.17 U | 0.17 |
| Tetrachloroethene | 1 | 1.3 | 0.12 | 0.34 J | 0.12 |
| Toluene | 600 | 77 | 0.25 | 0.38 J | 0.25 |
| trans-1,2-Dichloroethene | 100 | 0.92 J | 0.18 | 5.5 | 0.18 |
| trans-1,3-Dichloropropene | NA | 0.19 U | 0.19 | 0.19 U | 0.19 |
| Trichloroethene | 1 | 2.4 | 0.22 | 14 | 0.22 |
| Trichlorofluoromethane | 2000 | 0.15 U | 0.15 | 0.15 U | 0.15 |
| Vinyl chloride | 1 | 0.54 J | 0.06 | 1.1 | 0.06 |
| Xylenes, Total | 1000 | 90 | 0.28 | 0.28 U | 0.28 |
| Total Conc | NA | 265.38 | | 300.49 | |

Highlighted Concentrations shown in bold type face exceed limits

* : LCS or LCSD is outside acceptance limits.

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.